(5) Identification of other on-going or potential research and development programs, projects, and activities not currently provided for under this section that should be considered for inclusion under the Balanced Technology Initiative in order to improve conventional defense capabilities.

(6) Identification of the most critical technologies for the successful development of existing or potential Balanced Technology Initiative programs, projects, and activities and an assessment of the current status of those technologies.

SEC. 212. INTEGRATED ELECTRIC DRIVE PROGRAM

(a) INTEGRATED ELECTRIC DRIVE PROGRAM.—The Secretary of the Navy is authorized to establish an Integrated Electric Drive program by merging the Ship Propulsion System program and the Shipboard System Component program with the Electric Drive program for the purpose of providing Integrated Electric Drive propulsion in the DDG-51 guided missile destroyer program.

(b) FUNDING.—Of the amount authorized to be appropriated pursuant to section 201 for the Navy for fiscal year 1990, $36,064,000
shall be available for the Integrated Electric Drive program.

SEC. 213. FAST SEALIFT TECHNOLOGY DEVELOPMENT PROGRAM

(a) NEW PROGRAM.—The Secretary of the Navy is authorized to establish a Fast Sealift Technology Development program for the purposes of completing, within 24 months after the date of the enactment of this Act, the technology development program described in the January 1989 report of the Secretary to Congress
entitled "Fast Sealift Program Technology Assessment Report".

(b) FUNDING.—Of the amount authorized to be appropriated pursuant to section 201 for the Navy for fiscal year 1990, $15,000,000
shall be available for the Fast Sealift Technology Development program.

SEC. 214. TACTICAL OCEANOGRAPHY PROGRAM

(a) NEW PROGRAM.—The Secretary of the Navy is authorized to establish a Tactical Oceanography program to accelerate uses of
scientific measurement and data collection devices and processes
for the purpose of rapid tactical applications.

(b) FUNDING.—Of the amount authorized to be appropriated pursuant to section 201 for the Navy for fiscal year 1990, $3,000,000
shall be available for the Tactical Oceanography program.

SEC. **215. GRANT FOR SEMICONDUCTOR COOPERATIVE RESEARCH PROGRAM**

Of the amount authorized to be appropriated pursuant to section 201(a) for fiscal year 1990 for Defense Agencies, $100,000,000 shall be available to make grants under section 272 of the National Defense Authorization Act for Fiscal Years 1988 and 1989 (Public Law 100-180; 15 U.S.C. 4602).

SEC. 216. ARMY HEAVY FORCE MODERNIZATION PROGRAM

(a) FUNDING.—Of the amount authorized to be appropriated pursuant to section 201 for the Army for fiscal year 1990, $58,000,000 shall be available to the Secretary of the Army for competitive development of Advanced Technology Transition Demonstrators (ATTDs) for a common chassis for the Heavy Force

Modernization program of the Army.

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